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(54) **Improvement of a knapsack atomizer**

(57) The present invention refers to an improvement in the chemicals sediment solidification directly in the

base in a motorized costal atomizer which object is to eliminate the component made of metal or in other material which aims at structuring the assembly.

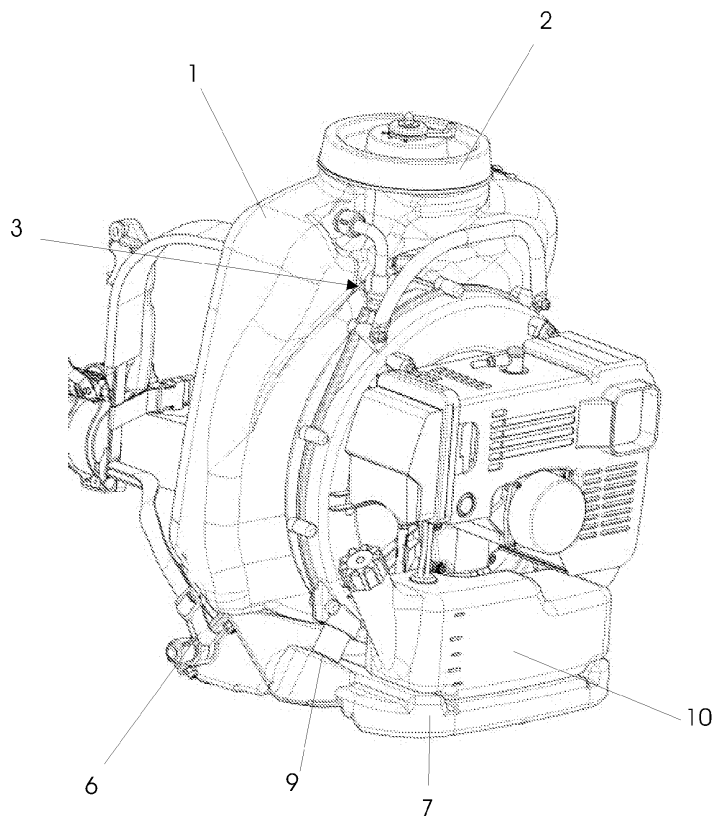


Fig. 1

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Description

[0001] The present invention refers to an improvement in the chemicals sediment solidification directly in the motorized costal atomizer which development object is to eliminate the component made of metal or other material that aims to fix up the assembly. The present invention aims to improve and reduce weight, ameliorate design and facilitate equipment manufacturing.

Prior Art

[0002] The chemicals sediment solidification is currently performed by means of a component provided in metal or other material.

[0003] Such component increases the assembly weight, hampering its user loading, as well as its final cost.

Brief description of the drawings

[0004] Following, the present invention will be described in a clearly and concisely manner based on an example of execution depicted in the drawings. The drawings show:

Fig. 1 - a rear perspective view of the costal atomizer object of the present invention;

Fig. 2 - a second rear perspective view of the costal atomizer object of the present invention;

Fig. 3 - an exploded view of the costal atomizer object of the present invention.

Detailed description of the drawings and invention

[0005] As can be seen from Fig. 1, an improvement in the chemicals sediment solidification with a base of the motorized costal atomizer, object of the invention, comprises a reservoir made in plastic (1) that has a filling nozzle in its top end (2).

[0006] The reservoir has a geometry in its central region in which there is tank side walls junction, generating a reinforcement where is the top solidification point of the motor fan assembly (3).

[0007] Additionally, in its inner end, edges (4) are provided with holes for housing attachment screws (5) and seats to receive bearing belt (6).

[0008] Said edges (4) are positioned in a determined angle related to vertical aiming to maximize the structural stiffness.

[0009] One base (7), there are second edges (8) in its front edge (8) with a geometry that allows a perfect fit with the edges (4) of the reservoir (1).

[0010] The base side (7) is provided with two holes to receive the bottom attachment of the motor fan assembly (9), and its rear portion presents suitable structure for fuel tank application (10).

[0011] Having described an example of the preferred

embodiment, it should be understood that the scope of the present invention comprises other possible variations, being limited solely by the content of the claim appended thereto, including the possible equivalents therein.

Claims

1. "ARRANGEMENT INTRODUCED IN THE IMPROVEMENT OF THE CHEMICALS SEDIMENT SOLIDIFICATION WITH THE MOTORIZED COSTAL ATOMIZER BASE", wherein comprised by a reservoir made in plastic (1) that has a filling nozzle (2) in its top end; the reservoir has a geometry in its central region in which there is tank side walls junction, generating a reinforcement where is the top attachment point of the motor fan assembly (3); additionally, in its bottom end, are provided edges (4) with holes for attachment screws (5) and seats to receive bearing belt (6); said edges (4) are positioned in a determined angle related to vertical aiming to maximize the structural stiffness; a base (7) has second edges in its front end (8) with geometry that allows a perfect fit with the edges (4) of the reservoir (1); the base side (7) is provided with two holes to receive the inner attachment of the motor fan assembly (9), and its rear portion presents suitable structure for the fuel tank application (10).

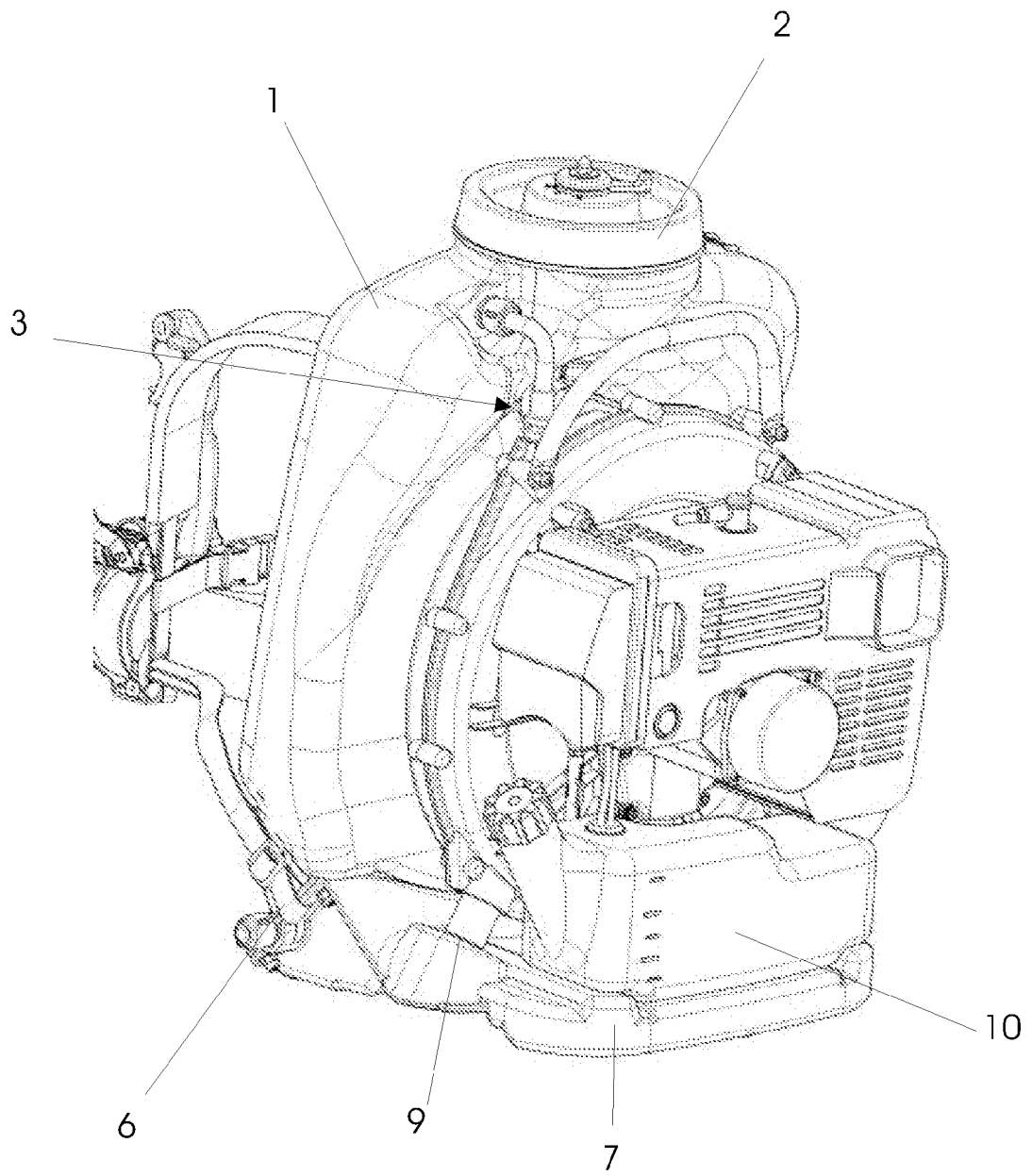


Fig. 1

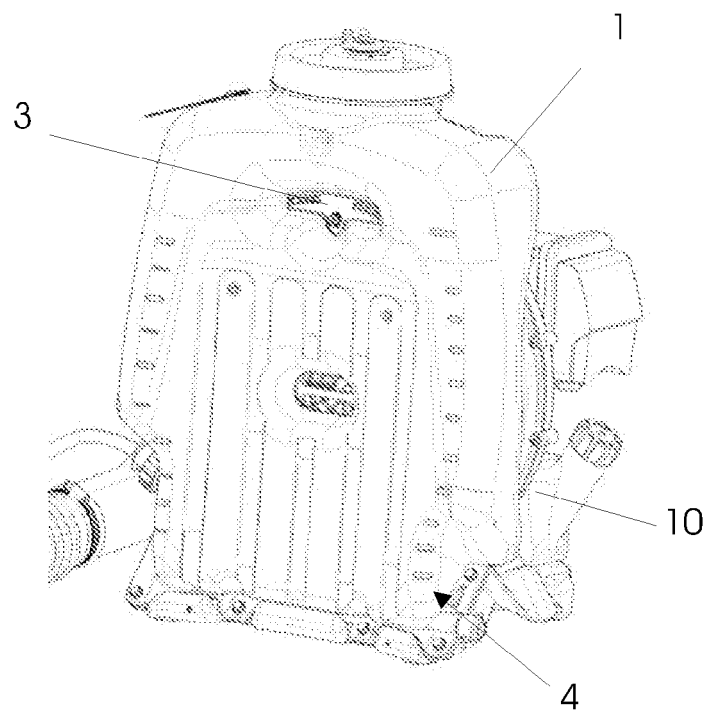


Fig. 2

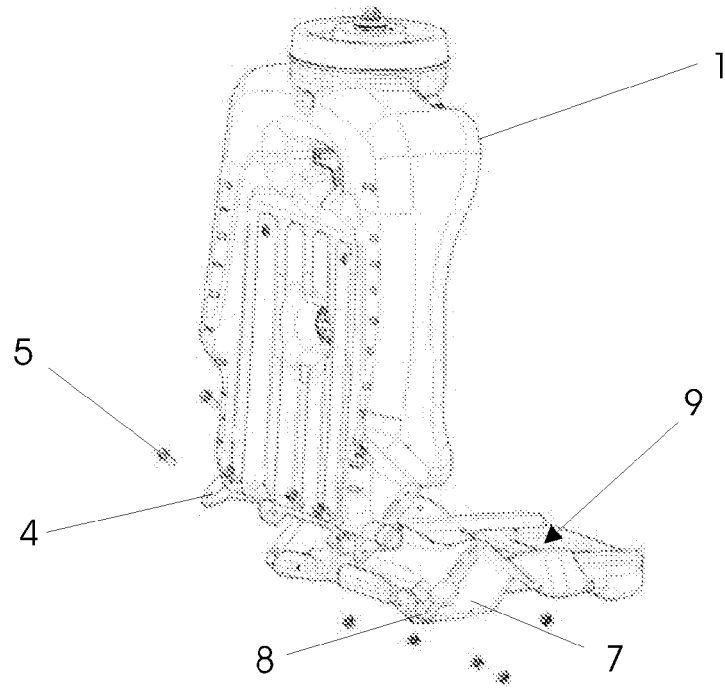


Fig. 3